

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
1 April 2004 (01.04.2004)

PCT

(10) International Publication Number
WO 2004/026443 A1

- (51) International Patent Classification⁷: **B01D 53/50, 53/83, B01F 13/02**
- (21) International Application Number:
PCT/SE2003/001453
- (22) International Filing Date:
17 September 2003 (17.09.2003)
- (25) Filing Language: **Swedish**
- (26) Publication Language: **English**
- (30) Priority Data:
0202789-4 20 September 2002 (20.09.2002) SE
- (71) Applicant (*for all designated States except US*): **ALSTOM (SWITZERLAND) LTD. [CH/CH]**; Brown Boveri Str. 7, CH-5401 Baden (CH).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): **ÅHMAN, Stefan [SE/SE]; Älmåsvägen 16, S-352 42 Växjö (SE). BRING-FORS, Nils [SE/SE]; Frövägen 12, S-352 41 Växjö (SE).**
- (74) Agent: **AWAPATENT AB; Box 5117, S-200 71 Malmö (SE).**
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EB (utility model), EE, EG, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *with international search report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **METHOD AND DEVICE FOR SEPARATING GASEOUS POLLUTANTS FROM HOT PROCESS GASES BY ABSORPTION AND A MIXER FOR MOISTENING PARTICULATE DUST**

